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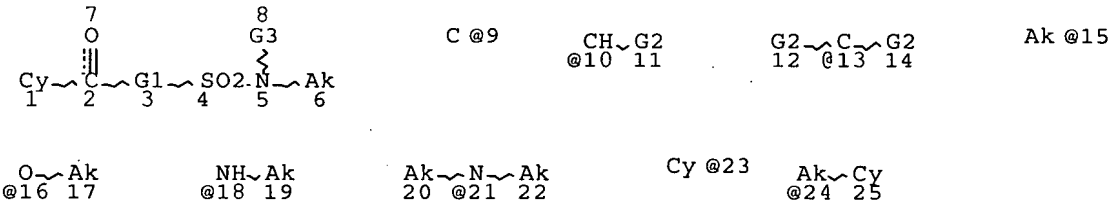


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GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS  25

STEREO ATTRIBUTES: NONE
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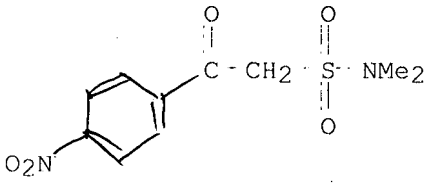
L3 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1990:591296 CAPLUS
DOCUMENT NUMBER: 113:191296
TITLE: A simple and versatile synthesis of substituted ethynesulfonamides
AUTHOR(S): Leclercq, Martine; Brienne, Marie Josephe
CORPORATE SOURCE: Coll. France, Paris, 75231/05, Fr.
SOURCE: Tetrahedron Letters (1990), 31(27), 3875-8
CODEN: TELEAY; ISSN: 0040-4039
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 113:191296

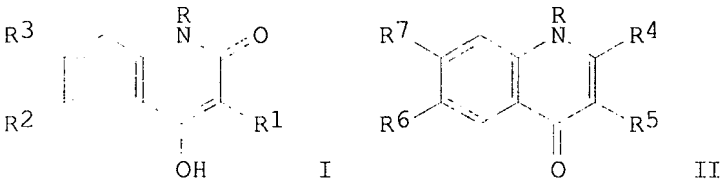
AB The reaction of lithiated MeSO2NR2 (NR2 = morpholino, 4-methyl-1-piperazinyl) with R1CO2H esters [R = Ph, o- and p-ClC6H4, 2,4-Cl2C6H3, p-FC6H4, p-F3CC6H4, p-Me3CC6H4, p-MeOC6H4, p-O2NC6H4, p-Me2NC6H4, 3,4-(MeO)2C6H3] gave 38-87% .apprx.20 R1COCH2SO2NR2, which was dehydrated with 2-chloro-N-methylpyridinium iodide-NEt3 to give 64-95% .apprx. 20 R1C.tplbond.CSO2NR2.

IT 130214-77-6P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and dehydration of)

RN 130214-77-6 CAPLUS
CN Benzeneethanesulfonamide, N,N-dimethyl-4-nitro-β-oxo- (9CI) (CA INDEX NAME)



L2 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1980:146570 CAPLUS
DOCUMENT NUMBER: 92:146570
TITLE: The chemistry of 2H-3,1-benzoxazine-2,4(1H)-dione (isatoic anhydride). 7. Reactions with anions of active methylenes to form quinolines
AUTHOR(S): Coppola, Gary M.; Hardtmann, Goetz E.
CORPORATE SOURCE: Dep. Med. Chem., Sandoz, Inc., East Hanover, NJ, 07936, USA
SOURCE: Journal of Heterocyclic Chemistry (1979), 16(8), 1605-10
CODEN: JHTCAD; ISSN: 0022-152X
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 92:146570
GI

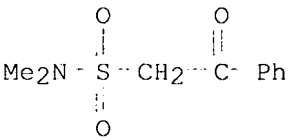


I II

AB Seventy-nine quinolines I (R = allyl, CH2CH:CH2, CH2C.tplbond.CH, Ph, substituted-Ph, PhCH2; R1 = CO2Et, CN, PhSO2, etc.; R2, R3, = H, Cl, OMe, NO2; R2R3 = OCH2O) and II (R = Me, Et, PhCH2; R4 = Ph, Me, Me2CH, CO2Et, CH2CO2Et, NH2, o-FC6H4, 2-thienyl; R5 = CO2Et, CO2H, CN, Ac, Bz, SO2Me, SO2Ph, SO2NMe2, P(O)(OEt)2; R6, R7 = H, Cl; R6R7 = OCH2O) were prepared in 2.4-88% yields from the reaction of isatoic anhydrides with active methylene compds.

IT 73281-91-1
RL: RCT (Reactant); RACT (Reactant or reagent)
(reaction of, with isatoic anhydrides)

RN 73281-91-1 CAPLUS
CN Benzeneethanesulfonamide, N,N-dimethyl-β-oxo- (9CI) (CA INDEX NAME)



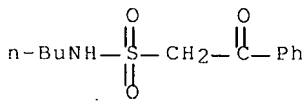
ACCESSION NUMBER: 1976:16883 CAPLUS Full-text
DOCUMENT NUMBER: 84:16883
TITLE: New "Gabriel" syntheses of amines
AUTHOR(S): Hendrickson, J. B.; Bergeron, R.; Sternbach, D. D.
CORPORATE SOURCE: Edison Chem. Lab., Brandeis Univ., Waltham, MA, USA
SOURCE: Tetrahedron (1975), 31(20), 2517-21
CODEN: TETRAB; ISSN: 0040-4020
DOCUMENT TYPE: Journal
LANGUAGE: English

AB The use of PhCOCH2SO2Cl and (F3CSO2)2O as N-blocking reagents in the Gabriel synthesis of amines is described. E.g., PhNH2 with PhCOCH2SO2Cl and pyridine in CHCl3 gave 93% PhCOCH2SO2NHPh which with MeI and PhCH2Br gave 93 and 94% PhCOCHRSO2NPhR (R = Me, PhCH2, resp.). Deprotection with Zn dust in AcOH gave 78 and 98% PhNHR. This method could not be adapted to the preparation of primary amines. Primary amines were prepared by reaction of alkyl halides (RX) with PhCH2NHSO2CF3 in the presence of base to give PhCH2NRSO2CF3 which on heating with NaH gave PhCH:NR and F3CSO2-. Acid hydrolysis of the imine gave RNH2.

IT 58044-83-0P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and alkylation of)

RN 58044-83-0 CAPLUS

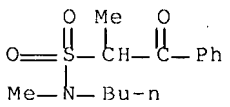
CN Benzeneethanesulfonamide, N-butyl-β-oxo- (9CI) (CA INDEX NAME)



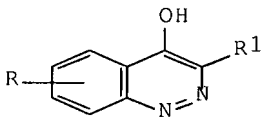
IT 58044-88-5P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and deprotection of)

RN 58044-88-5 CAPLUS

CN Benzeneethanesulfonamide, N-butyl-N,α-dimethyl-β-oxo- (9CI) (CA INDEX NAME)



L27 ANSWER 35 OF 41 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1978:509326 CAPLUS Full-text
DOCUMENT NUMBER: 89:109326
TITLE: Preparation of 4-hydroxycinnoline derivatives with sulfonic acid, sulfonamide or sulfone moieties in position 3 and of 1-ethyl-1,4-dihydro-4-oxocinnoline-3-carboxylic acids
AUTHOR(S): Albrecht, Rudolf
CORPORATE SOURCE: Forschungslab., Schering A.-G. Berlin/Bergkamen, Berlin, Fed. Rep. Ger.
SOURCE: Justus Liebigs Annalen der Chemie (1978), (4), 617-26
CODEN: JLACBF; ISSN: 0075-4617
DOCUMENT TYPE: Journal
LANGUAGE: German
OTHER SOURCE(S): CASREACT 89:109326
GI



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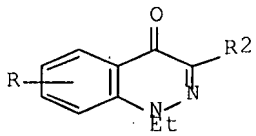
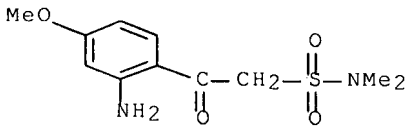


II

AB Hydroxycinnolines I (R = H, 7-MeO, 6-Me, 7-Cl; R1 = SO3Na, SO2NHPh, SO2NH2, SO2NMe2, SO2Me, SO2Ph) were prepared by diazotization of the corresponding x,2-R(H2N)C6H3COCH2R1. Ethylation of I (R = H, 6-Me, 7-MeO, 7-Cl, R1 = SO2Me) gave cinnolinones II (R2 = SO2Me), the SO2Me group of which was replaced by cyano by heating 24 h at 120° with KCN in DMF. Hydrolysis of II (R2 = CN) by refluxing 16 h with AcOH-HCl gave carboxylic acids II (R2 = CO2H).

IT 67323-19-7P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and diazotization and cyclization of)
RN 67323-19-7 CAPLUS
CN Benzeneethanesulfonamide, 2-amino-4-methoxy-N,N-dimethyl-β-oxo- (9CI) (CA INDEX NAME)

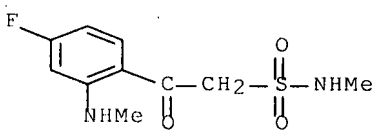


IT 67323-27-7P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and reduction of)
RN 67323-27-7 CAPLUS

L27 ANSWER 25 OF 41 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1987:458881 CAPLUS Full-text
DOCUMENT NUMBER: 107:58881
TITLE: Preparation and formulation of dihydrooxoquinolinesulfonamides as antihypertensives
INVENTOR(S): Davies, Roy Victor; Fraser, James; Nichol, Kenneth John
PATENT ASSIGNEE(S): Boots Co. PLC, UK
SOURCE: Eur. Pat. Appl., 51 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 206616	A2	19861230	EP 1986-304390	19860609 <--
EP 206616	A3	19880601		
R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
AU 8658382	A	19861218	AU 1986-58382	19860605 <--
ZA 8604288	A	19870128	ZA 1986-4288	19860609 <--
DK 8602723	A	19861216	DK 1986-2723	19860610 <--
FI 8602519	A	19861216	FI 1986-2519	19860612 <--
NO 8602372	A	19861216	NO 1986-2372	19860613 <--
HU 42073	A2	19870629	HU 1986-2522	19860613 <--
DD 249010	A5	19870826	DD 1986-291288	19860613 <--
ES 556027	A1	19871216	ES 1986-556027	19860613 <--
US 4772614	A	19880920	US 1986-874217	19860613 <--
JP 62036361	A	19870217	JP 1986-139954	19860616 <--
CN 86104611	A	19880127	CN 1986-104611	19860707 <--

PRIORITY APPLN. INFO.: GB 1985-15209 A 19850615 <--
OTHER SOURCE(S): MARPAT 107:58881
GI For diagram(s), see printed CA Issue.
AB The title compds. [I; X = residue of substituted benzene ring; R = alkyl; R1-R3 = H, alkyl; R1R2N = (un)substituted heterocyclyl] were prepared as antihypertensives. 7-Chloro-1-methyl-4(1H)-quinolinone was chlorosulfonated and the product was treated with MeNH2 to give 7-chloro-1,4-dihydro-1,N-dimethyl-4-oxo-3-quinolinesulfonamide (II). II and other I showed antihypertensive activity in normotensive rats at ≤90 mg/kg intraduodenally. Pharmaceutical formulations of I are given.
IT 108494-87-7P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation and cyclocondensation with paraformaldehyde)
RN 108494-87-7 CAPLUS
CN Benzeneethanesulfonamide, 4-fluoro-N-methyl-2-(methylamino)-β-oxo- (9CI) (CA INDEX NAME)

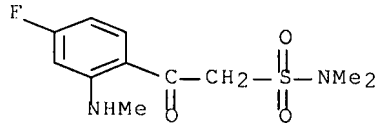


IT 108494-90-2P
RL: SPN (Synthetic preparation); PREP (Preparation)

(preparation and cyclocondensation with tri-Et orthoacetate)

RN 108494-90-2 CAPLUS

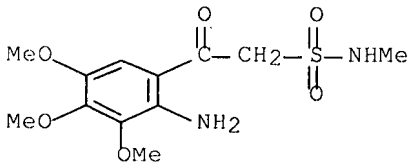
CN Benzeneethanesulfonamide, 4-fluoro-N,N-dimethyl-2-(methylamino)-β-oxo- (9CI) (CA INDEX NAME)



IT 108494-63-9P 108494-66-2P 108494-69-5P
108494-75-3P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation and cyclocondensation with tri-Et orthoformate)

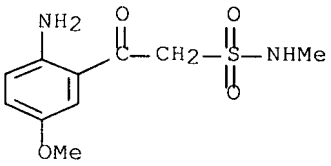
RN 108494-63-9 CAPLUS

CN Benzeneethanesulfonamide, 2-amino-3,4,5-trimethoxy-N-methyl-β-oxo- (9CI) (CA INDEX NAME)



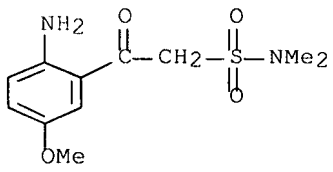
RN 108494-66-2 CAPLUS

CN Benzeneethanesulfonamide, 2-amino-5-methoxy-N-methyl-β-oxo- (9CI) (CA INDEX NAME)



RN 108494-69-5 CAPLUS

CN Benzeneethanesulfonamide, 2-amino-5-methoxy-N,N-dimethyl-β-oxo- (9CI) (CA INDEX NAME)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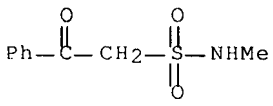
NMe2
O
OMe

L27 ANSWER 5 OF 41 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1998:213090 CAPLUS Full-text
DOCUMENT NUMBER: 128:270172
TITLE: Synthesis and reactivity of N-alkyl-2-oxoalkanesulfonamides
AUTHOR(S): Vega, Juan A.; Alajarin, Ramon; Vaquero, Juan J.; Alvarez-Builla, Julio
CORPORATE SOURCE: Departmento de Quimica Organica, Universidad de Alcala, Alcala de Henares, 28871, Spain
SOURCE: Tetrahedron (1998), 54(14), 3589-3606
CODEN: TETRAB; ISSN: 0040-4020
PUBLISHER: Elsevier Science Ltd.
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 128:270172

AB A series of N-alkyl-2-oxoalkanesulfonamides have been synthesized by reacting silyl enol ethers with N-alkylsulfamoyl chlorides. Their reactivity towards electrophiles was investigated in order to explore the regio- and stereoselectivity of the process. 2-Oxoalkanesulfonamides were used to prepare 5-(methylsulfamoyl)-1,4-dihydropyridine derivs.

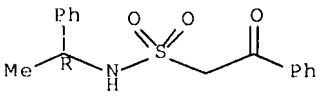
IT 96355-30-5P 205679-09-0P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and reactions of N-alkyl-2-oxoalkanesulfonamides)

RN 96355-30-5 CAPLUS
CN Benzeneethanesulfonamide, N-methyl-β-oxo- (9CI) (CA INDEX NAME)



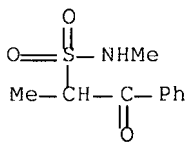
RN 205679-09-0 CAPLUS
CN Benzeneethanesulfonamide, β-oxo-N-(1-phenylethyl)-, (R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 205679-21-6 CAPLUS

CN Benzeneethanesulfonamide, N,α-dimethyl-β-oxo- (9CI) (CA INDEX NAME)



RN 205679-22-7 CAPLUS

CN Benzeneethanesulfonamide, N,N,α-trimethyl-β-oxo- (9CI) (CA INDEX NAME)